

## Supplementary information

**Table S1.** The primers in this paper

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Primers		
<b>NEAT1-F:</b> 5'GTGGCTGTTGGAGTCGGTAT3'	This paper	N/A
<b>NEAT1-R:</b> 5'TAACAAACCACGGTCCATGA3'	This paper	N/A
<b>NEAT1_2F:</b> 5'GTACTCTGTGATGGGGTAGTCA GTCAG3'	This paper	N/A
<b>NEAT1_2R:</b> 5'GTACTCTGTGATGGGGTAGTCA GTCAG3'	This paper	N/A
<b>GAPDH-F:</b> 5'GGAGCGAGATCCCTCCAAAAT3'	This paper	N/A
<b>GAPDH-R:</b> 5' GGCTGTTGTCATACTTCTCATGG 3'	This paper	N/A
<b>NEAT1 sgRNA1 targeting sequence:</b> sgRNA1-F: 5'GGCTATAAAAGCAAAAGTTG3' sgRNA1-R: 5'CAACTTTTGCTTTTATAGCC3'	This paper	N/A
<b>NEAT1 sgRNA2 targeting sequence:</b> sgRNA2-F: 5'GGTCCAGCCGGAGTTAGCGA3' sgRNA2-R: 5'TCGCTAACTCCGGCTGGACC3'	This paper	N/A
<b>NEAT1 sgRNA3 targeting sequence:</b> sgRNA3-F: 5'GATTGCCTTCATAACGACTT3' sgRNA3-R: 5'AAGTCGTTATGAAGGCAATC3'	This paper	N/A
<b>YB1 shRNA sequence:</b> shRNA #1 5'-	This paper	N/A

CCGGAGCAGACCGTAACCATTATAGCTCGAGCTATAATGGTTACGGTCT  
GCTTTTTTG-3'

5'-  
AATTCAAAAAAGCAGACCGTAACCATTATAGCTCGAGCTATAATGGTTAC  
GGTCTGCT-3'

**shRNA #2**

5'-  
CCGGCCAGTTCAAGGCAGTAAATATCTCGAGATATTTACTGCCTTGAAC  
GGTTTTTG-3'

5'-  
AATTCAAAAAACAGTTCAAGGCAGTAAATATCTCGAGATATTTACTGCCTT  
GAACTGG-3'

**shRNA #3**

5'-  
CCGGGACGGCAATGAAGAAGATAAACTCGAGTTTATCTTCTTCATTGCCG  
TCTTTTTTG-3'

5'-  
AATTCAAAAAAGACGGCAATGAAGAAGATAAACTCGAGTTTATCTTCTTCAT  
TGCCGTC-3'

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**Table S2.** The antibodies in this paper

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
GAPDH (human)	Proteintech	Cat#10494-1-AP
N-Cadherin (human)	Cell Signaling Technology	Cat#13116
E-Cadherin (human)	Cell Signaling Technology	Cat#3195
Vimentin	Santa Cruz Biotechnology	Cat#sc-373717
Slug (human)	Cell Signaling Technology	Cat#9585
CD44 (human)	Cell Signaling Technology	Cat#3570
VEGFA (human)	Abcam	Cat#ab1316
c-Myc (human)	Cell Signaling Technology	Cat#18583
Cyclin D1 (human)	Cell Signaling Technology	Cat#2978
PCNA (human)	Cell Signaling Technology	Cat#2586
$\beta$ -Catenin (human)	Cell Signaling Technology	Cat#8480
p- $\beta$ -Catenin (Ser675) (human)	Cell Signaling Technology	Cat#4176
RUNX2 (human)	Cell Signaling Technology	Cat#12556
HIF-1 $\alpha$ (human)	Cell Signaling Technology	Cat#36169
p-Rb (Ser780) (human)	ZENBIO	Cat#380879
p-Rb (Ser807) (human)	ZENBIO	Cat#382889
RB1 (human)	Proteintech	Cat#25628-1-AP

MCM2 (human)	ZENBIO	Cat#220635
GSK3 $\beta$ (human)	ZENBIO	Cat#200494-2E6
ZEB1 (human)	ZENBIO	Cat#220860
MDR1/P-gp (human)	Proteintech	Cat#22336-1-AP
ERCC1 (human)	Proteintech	Cat#14586-1-AP
YB1	Cell Signaling Technology	Cat#4202
AKT	Cell Signaling Technology	Cat#4691
ERK1/2	Cell Signaling Technology	Cat#4695
$\beta$ -Catenin	Cell Signaling Technology	Cat#8480
SNAIL1	Cell Signaling Technology	Cat#3879
SFPQ	Proteintech	Cat#15585-1-AP
TGF- $\beta$ 1	Proteintech	Cat#21898-1-AP

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